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NASA TM-76578⁴¹⁻⁵⁰

NASA TECHNICAL MEMORANDUM

NASA TM-76578

STUDY OF THE EFFECTS OF NOISE ON RESIDENTS

NASA-TM-76578 19810020071

Translation of: "Etude des Effets de Bruit sur les Habitants,"
Institut de Recherche des Transports, Centre d'evaluation et
recherche des nuisances, Bron, France, Report, undated, pp 1-8.

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON, D. C. 20546 MAY 1981

STANDARD TITLE PAGE

1. Report No. NASA TM-76578		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle STUDY OF THE EFFECTS OF NOISE ON RESIDENTS				5. Report Date MAY 1981	
				6. Performing Organization Code	
7. Author(s) Unknown				8. Performing Organization Report No.	
				10. Work Unit No.	
9. Performing Organization Name and Address LEO KANNER ASSOCIATES REDWOOD CITY, CALIFORNIA 94063				11. Contract or Grant No. NASw-3199	
				13. Type of Report and Period Covered TRANSLATION	
12. Sponsoring Agency Name and Address NATIONAL AERONAUTICS & SPACE ADMINISTRATION, WASHINGTON, D.C. 20546				14. Sponsoring Agency Code	
15. Supplementary Notes Translation of : "Etude des Effets de Bruit sur les Habitants," Institut de Recherche des Transports, Centre d'evaluation et recherche des nuisances, Bron, France, Report, undated, pp 1-8.					
16. Abstract Survey questionnaire for the Transportation Research Institute which was used to study the effects of noise on residents such as that from automobile traffic.					
17. Key Words (Selected by Author(s))			18. Distribution Statement Unclassified-Unlimited		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 22.	

STUDY OF THE EFFECTS OF NOISE ON RESIDENTS

Transportation Research Institute

Name of the Investigator: _____ Col.1 ☐ /1*

Date: ____/____/1973

Time of the Interview: _____ hours _____ minutes

Number of Zone: _____ Col.2 ☐

Number of Questionnaire: _____ Col.3 ☐

Area Along the Road Col.4 ☐

Area Set Back Col.5 ☐

Good morning/afternoon, Mr./Mrs. _____

I am conducting a survey of the living conditions of the residents of ... Would you please answer a few questions with regard to your district (it will take about 15 minutes).

1. Generally speaking, what is your opinion of the local lifestyle in this district? Would you say life here is:

very pleasant _____ hardly pleasant _____ Col.6 ☐

fairly pleasant _____ not at all pleasant _____

2. Would you please tell me whether you are satisfied, rather satisfied ... with regard to:

	very satisfied	rather satisfied	hardly satisfied	not at all satisfied
--public means of transportation	_____	_____	_____	_____
--green spaces	_____	_____	_____	_____
--possibilities of entertainment	_____	_____	_____	_____
--peacefulness with regard to noise	_____	_____	_____	_____
--the prices of your residence	_____	_____	_____	_____
--academic facilities	_____	_____	_____	_____

*Numbers in the margin indicate pagination in the foreign text.

	very satisfied	rather satisfied	hardly satisfied	not at all satisfied
--purity of the air in the district (smells, smokes)	_____	_____	_____	_____
--traffic and parking	_____	_____	_____	_____
--cleanliness of the city, streets, buildings	_____	_____	_____	_____

Col. 7 à 15

3. What is your opinion of the road which passes near your home ... (name it) from your point of view of: /2

<u>access:</u>	easy _____	difficult _____	Col.16	<input type="checkbox"/>
	near _____	none _____	Col.17	<input type="checkbox"/>
<u>convenience:</u>	convenient _____	inconvenient _____	Col.18	<input type="checkbox"/>
<u>usefulness:</u>				
for work	useful _____	useless _____	Col.19	<input type="checkbox"/>
leisure activities	useful _____	useless _____	Col.20	<input type="checkbox"/>
shopping	useful _____	useless _____	Col.21	<input type="checkbox"/>
<u>travel:</u>	slow _____	fast _____	Col.22	<input type="checkbox"/>
<u>esthetic:</u>	pleasant _____	unpleasant _____	Col.23	<input type="checkbox"/>
<u>appearance:</u>	clean _____	dirty _____	Col.24	<input type="checkbox"/>
<u>safety:</u>				
in automobile	hardly safe _____	very safe _____	Col.25	<input type="checkbox"/>
for pedestrians	hardly safe _____	very safe _____	Col.26	<input type="checkbox"/>
<u>landscape:</u>	well spaced out _____	compact _____	Col.27	<input type="checkbox"/>
	unattractive _____	pleasant _____	Col.28	<input type="checkbox"/>
<u>is the uniformity of the area:</u>	broken up _____	consolidated _____	Col.29	<input type="checkbox"/>
<u>its passage:</u>				
--on foot	easy _____	impossible _____	Col.30	<input type="checkbox"/>
--by car	easy _____	impossible _____	Col.31	<input type="checkbox"/>
<u>its use:</u>	restful _____	tiring _____	Col.32	<input type="checkbox"/>
	modern _____	customary _____	Col.33	<input type="checkbox"/>

4. Do you use this road:

often _____ rarely _____ Col.34 ☐

5. What are the noises you hear in your home? Col.35 ☐

6. Are you:

not at all hardly rather highly
disturbed disturbed disturbed disturbed

Col.36

☐

by the noise of the means of transportation?

7. What vehicles:

truck car motorcycle moped

Col.37

☐

seem to you the most disturbing? Give me their names in order:

8. At what time of day are you most disturbed by the
noises caused by means of transportation (urban traffic,
highway traffic)?

Col.38

☐

9. At what time of the day, when you are at home, do they
disturb you the least?

Col.39

☐

10. What is the means of transportation which annoys you
most at home?

highway traffic _____ aircraft _____
urban traffic _____ railroad _____

Col.40

☐

11. As far as you are concerned, of what does this annoyance
consist?

Col.41

☐

12. Noise disturbs some of the daily activities. As far
as you are concerned personally, what are the activities during
which you would like to be disturbed as little as possible?

disturbance for listening to the radio or TV _____

school work _____

conversations _____

reading _____

falling asleep _____

night sleep _____

early morning sleep _____

others _____

Col.42

☐

Col.43

☐

13. What do you consider the most disturbing noises?

Col.44 ☐

general noise of the automobile _____

brakes _____

starting _____

changing of gears _____

background noise _____

others _____

14. What is your age bracket?

Col.45 ☐

less than	21-30	31-40	41-50	51-60	more than
20 years	years old	years old	years old	years old	60

15. Sex of the person answering:

M _____ F _____

Col.46 ☐

16. Status of occupation of the residence:

Col.47 ☐

owner _____ tenant _____

Col.48 ☐

17. How many years have you lived in this district?

less than	1-5	5-10	10-19	20 years
1 year	years	years	years	or more

18. Are you satisfied with your residence?

Col.49 ☐

very	fairly	not	not at all
satisfied	satisfied	satisfied	satisfied

Col.50 ☐

19. Are you considering moving? Yes ___ No ___ Do not know ___ /5

20. For what reasons?

21. What is your profession? _____ Col.51 ☐
 In what sector of activity?
 G.S.P. Professional people, higher cadre
 Salaried agricultural workers Artists, army, miscellaneous
 Boss in commerce or industry Employees
 Medium grade cadres Service personnel
 Workers, artisans, merchants Unemployed person, housewife

22. Do you work outside your home? Yes ___ No ___ Col.52 ☐

23. If yes, how long do you travel? In the morning you leave ...

arrival at work	arrival home	arrive work	arrive home	Col.53 <input type="checkbox"/>
leave home	leave work	leave home	leave work	

24. If not, how much time do you spend outside the house? Col.54 ☐

25. Are the conditions of your work? Col.55 ☐
 very noisy _____ hardly noisy _____
 fairly noisy _____ peaceful _____

26. Is your background at work: Col.56 ☐
 a noisy workshop, a peaceful trade, a busy office, etc...

27. Number of children at home (by age bracket): Col.57 ☐
 0-5 years 6-10 years 11-15 years 16-20 years

28. Total number of persons at home: _____ Col.58 ☐ /6

29. ...For your work, your shopping, your leisure activities,
do you travel?

by car	_____	_____	_____	Col.59 <input type="checkbox"/>
by motorcycle	_____	_____	_____	Col.60 <input type="checkbox"/>
by moped	_____	_____	_____	Col.61 <input type="checkbox"/>
by van or bus	_____	_____	_____	
in truck	_____	_____	_____	
public works vehicles	_____	_____	_____	
on foot	_____	_____	_____	
others	_____	_____	_____	

30. In your home, if it were possible, what time would you
like to be least disturbed by road noise?

Col.62 ☐

in the morning _____
when you are falling asleep _____
at noon _____
in the middle of the night _____
in the evening _____
very early in the morning _____

31. In general are you a sensitive person?

Col.63 ☐

not at all	hardly	fairly	very
sensitive	sensitive	sensitive	sensitive
_____	_____	_____	_____

32. Are you sensitive to noise in particular?

Col.64 ☐

not at all	hardly	fairly	very
sensitive	sensitive	sensitive	sensitive
_____	_____	_____	_____

33. In your opinion, what could be done to reduce the noise?

Col.65 ☐

34. Do you prefer a fast rather noisy road to a slow rather
peaceful road?

/7

fast noisy road _____ slow peaceful road

Col.66 ☐

